

**What is claimed is**

1. A method for depositing fluid droplets on a surface, the method comprising the steps of
  - a. establishing a substantially collinear flow of air the substantially collinear flow of air having a maximum velocity and
  - b. emitting at least one fluid droplet into a region of the collinear flow of air, said region having a regional airflow velocity lower than the maximum airflow velocity of air within the collinear flow of air.
2. The method of claim 1, comprising the additional step of ensuring that the velocity at which the at least one inkjet fluid droplet is emitted into the region of the collinear flow of air and the regional airflow velocity of the region of the collinear flow of air are substantially matched.
3. A method for depositing fluid droplets on a surface, the method comprising the steps of
  - a. establishing a substantially collinear flow of air and
  - b. emitting the fluid droplets from a plurality of nozzles into a region of said collinear flow of air, the region having a regional airflow velocity lower than the maximum airflow velocity of air within the collinear flow of air.
4. The method of claim 3, comprising the additional step of ensuring that the velocity at which the at least one inkjet fluid droplet is emitted into the region of the collinear

flow of air and the regional airflow velocity of the region of the collinear flow of air are substantially matched.

5. A method for depositing fluid droplets on a surface, the method comprising the steps of
  - a. establishing a substantially collinear flow of air and
  - b. emitting the fluid droplets from a plurality of groups of nozzles into a plurality of regions of the collinear flow of air, the plurality of regions having regional airflow velocity lower than the maximum airflow velocity of air within the collinear flow of air, every member of the plurality of regions of the collinear flow of air having a different regional airflow velocity.
6. The method of claim 5, comprising the additional step of ensuring that the velocity at which the at least one inkjet fluid droplet is emitted into the region of the collinear flow of air and the regional airflow velocity of the region of the collinear flow of air are substantially matched.
7. A method for depositing fluid droplets on a surface, the method comprising the steps of
  - a. establishing a substantially collinear flow of air and
  - b. emitting the fluid droplets from a plurality of rows of nozzles into a plurality of regions of the collinear flow of air, the plurality of regions having regional airflow velocity lower than the maximum airflow velocity of air within the collinear flow of air, every member of the plurality of regions of the collinear flow of air having a different regional airflow velocity.

8. The method of claim 7, comprising the additional step of ensuring that the velocity at which the at least one inkjet fluid droplet is emitted into the region of the collinear flow of air and the regional airflow velocity of the region of the collinear flow of air are substantially matched.
9. An apparatus for depositing fluid droplets on a surface, the apparatus comprising
  - a. a collinear airflow duct for establishing a collinear airflow, the collinear airflow duct adapted to provide an airflow velocity profile within the collinear airflow, the airflow velocity profile having
    - i. a maximum airflow velocity and
    - ii. a region having a regional airflow velocity, the regional airflow velocity being lower than the maximum airflow velocity and
  - b. inkjet nozzles disposed to emit fluid droplets into the region of regional airflow velocity at an inkjet fluid droplet velocity.
10. The apparatus of claim 9, further comprising a systems controller, the systems controller capable of ensuring that the inkjet fluid droplet velocity and the regional airflow velocity are substantially matched.
11. An apparatus for depositing fluid droplets on a surface, the apparatus comprising
  - a. a collinear airflow duct for establishing a collinear airflow, the collinear airflow duct adapted to provide an airflow velocity profile within the collinear airflow, the airflow velocity profile having
    - i. a maximum airflow velocity and

- ii. a plurality of regions of regional airflow velocity, the regional airflow velocity being
    - 1. lower than the maximum airflow velocity and
    - 2. different in all the regions of regional airflow velocity and
  - b. a plurality of groups of inkjet nozzles disposed to emit fluid droplets into the regions of regional airflow velocity, each group of inkjet nozzles within the plurality of groups of inkjet nozzles capable of emitting fluid droplets into a different region of regional airflow velocity at an inkjet fluid droplet velocity.
- 12. The apparatus of claim 11 further comprising one or more systems controllers, the one or more systems controllers being capable of ensuring that the inkjet fluid droplet velocity provided by a member group of the plurality of groups of inkjet nozzles and the regional airflow velocity of one of the member regions of the plurality of regions of regional airflow velocity within the collinear airflow are substantially matched.
- 13. An apparatus for depositing fluid droplets on a surface, the apparatus comprising
  - a. a collinear airflow duct for establishing a collinear airflow, the collinear airflow duct adapted to provide an airflow velocity profile within the collinear airflow, the airflow velocity profile having
    - i. a maximum airflow velocity and
    - ii. a plurality of regions of regional airflow velocity, the regional airflow velocity being
      - 1. lower than the maximum airflow velocity and
      - 2. different in all the regions of regional airflow velocity and

- b. a plurality of rows of inkjet nozzles arranged to emit fluid droplets into the plurality of regions of regional airflow velocity, each row of inkjet nozzles within the plurality of rows of inkjet nozzles capable of emitting fluid droplets into a different region of regional airflow velocity at an inkjet fluid droplet velocity.
14. The apparatus of claim 13 further comprising one or more systems controllers, the one or more systems controllers being capable of ensuring that the inkjet fluid droplet velocity provided by a member row of the plurality of rows of inkjet nozzles and the regional airflow velocity of one of the member regions of the plurality of regions of regional airflow velocity within the collinear airflow are substantially matched.